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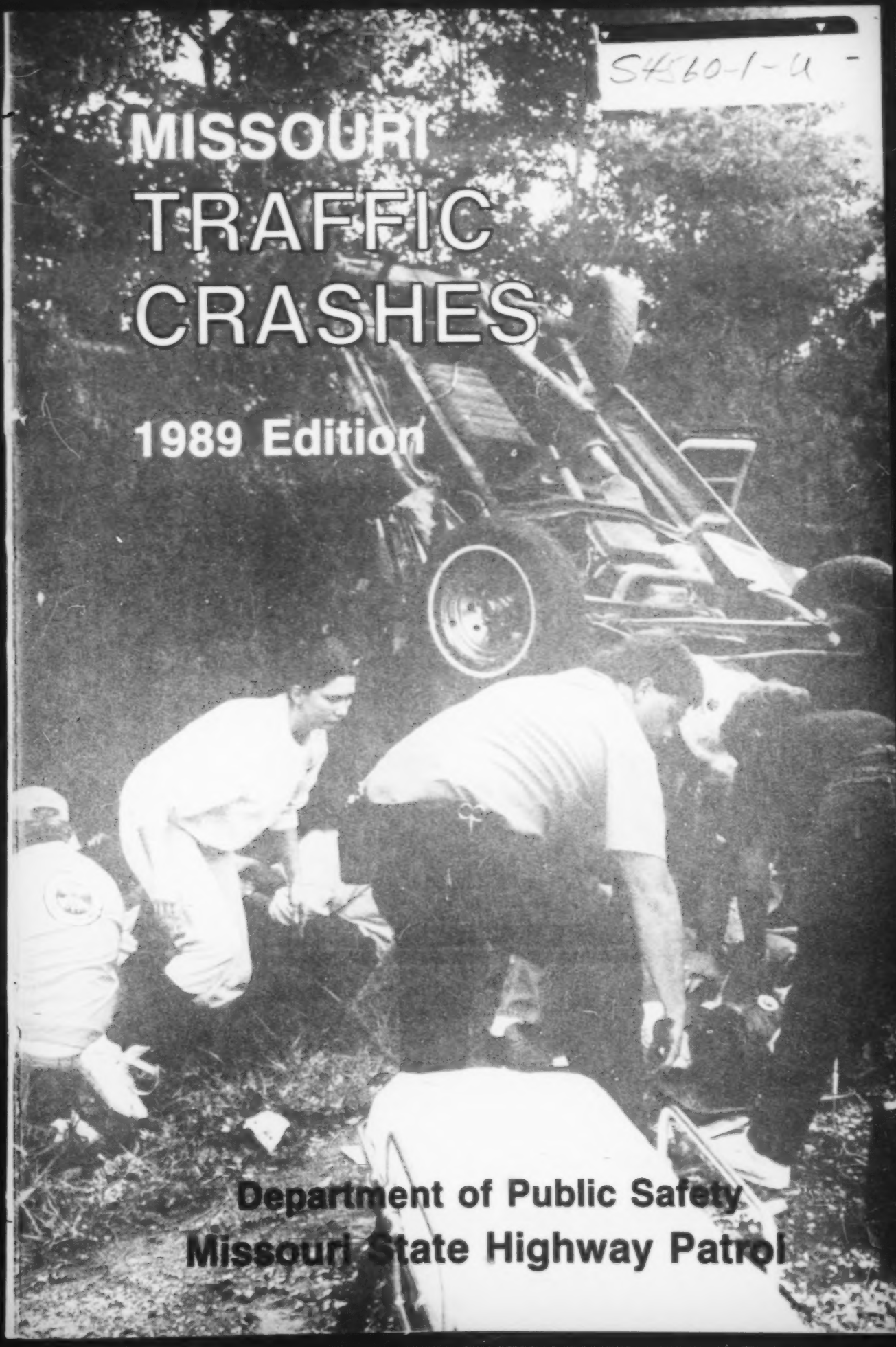
MISSOURI TRAFFIC CRASHES

1989 Edition



Department of Public Safety

Missouri State Highway Patrol

INTRODUCTION

This booklet is published by the Missouri State Highway Patrol as an aid to persons who are interested in the traffic accident problem in Missouri. It contains information which provides for a comprehensive look at the Statewide accident problems as experienced in 1988.

The Missouri State Highway Patrol is the central traffic accident data collection agency for the State of Missouri. Data on both rural and urban traffic crashes is made available to this agency. Law enforcement agencies throughout the State provide the Highway Patrol with copies of their accident reports. All reports of traffic accidents including those investigated by the Missouri State Highway Patrol are tabulated and analyzed by this agency. It is thus due, in part, to the continued cooperation of these law enforcement agencies that a meaningful picture of the statewide accident experience is available to interested persons.

Here at a glance are some interesting statistics found in this booklet:

—In 1988, there were 1,104 persons killed in traffic accidents in the State of Missouri, 46 (4.3%) more than in 1987. There was only a slight increase (0.1%) in total accidents statewide compared to 1987.

—Speed and inattention continue to lead the Probable Contributing Circumstances in fatal accidents. About 25% of all fatal accidents involve drinking and drugs.

—Vehicle miles travelled in Missouri increased by over 2 billion in 1988 and the deaths per 100 million miles dropped from 2.44 to 2.42 (second lowest ever - 1985 was 2.41).

—Over 50% of all persons killed in Missouri in 1988 were between the ages of 16 and 35.

—It is interesting to note that by far the most traffic accidents (70% or more) occur in daylight, with clear weather and dry road conditions.

—The highest percentage of fatal traffic accidents (about 25%) occur on state numbered highways and the next highest (about 20%) on U.S. numbered highways.

—A disproportionate number of pedestrians between the ages of 21 and 40 (35%) are traffic fatalities.

—The number of traffic fatalities involving collision with a railroad train nearly doubled in1988 (21) compared to 1987 (11).

—Holiday fatalities totals increased over 50% during 1988. The Independence Day, Labor Day and Christmas holiday periods were the worst when traffic fatalities more than doubled.

It is hoped that the information in this booklet will be of value to you. Certainly it is the most comprehensive look available of the accident problem in Missouri.

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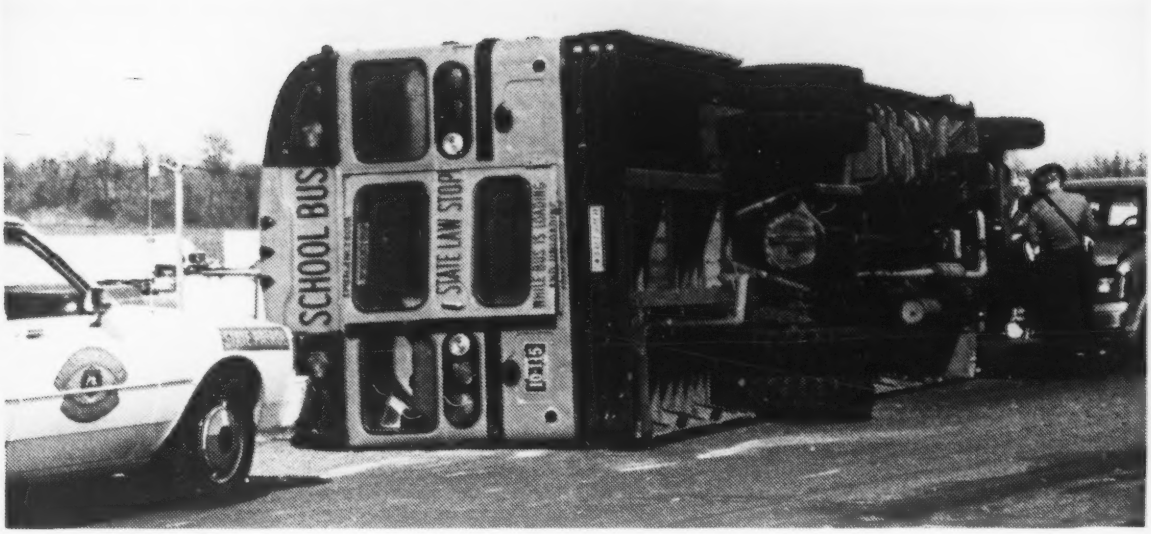


Nationwide

Traffic Accidents

	1987	1988
KILLED	46,800	49,000
INJURED(Est.)	1,800,000	1,800,000
COST(Economic Loss)	$62,800,000,000	$68,900,000,000
DEATHS PER 100 MILLION MILES	2.5	2.5
VEHICLE REGISTRATION	186,137,000	188,187,000

Missouri

Traffic Crash Statistics

	1987	1988
KILLED	1,058	1,104
INJURED (includes pos. injury)	67,736	69,173
ECONOMIC LOSS	$1,158,640,000	$1,370,880,000
LICENSED DRIVERS(Approx.)	3,472,027	3,511,986
MOTOR VEHICLES REGISTERED	3,760,948 *	3,679,481*
MILES OF TRAVEL	43,379,000,000	45,500,000,000
DEATHS PER 100 MILLION MILES	2.44	2.42

*Source of information has been changed. Data is now obtained from Missouri Transportation and Highway Department.

STATEWIDE TRAFFIC ACCIDENTS IN MISSOURI

STATEWIDE ACCIDENTS

TYPE OF ACCIDENT	FATAL	INJURY	PROP. DAMAGE	TOTAL	%
OVERTURNING	101	2,515	1,897	4,513	2.7
OTHER NON-COLLISION	19	387	1,160	1,566	0.9
PEDESTRIAN	89	1,974	69	2,132	1.3
MOTOR VEHICLE IN TRANSPORT	360	27,942	83,354	111,656	65.8
MOTOR VEHICLE ON OTHER ROADWAY	6	97	228	331	0.2
PARKED MOTOR VEHICLE	9	1,288	14,659	15,956	9.4
RAILWAY TRAIN	16	54	79	149	0.1
PEDALCYCLIST	10	1,052	187	1,249	0.7
ANIMAL	1	217	4,067	4,285	2.5
FIXED OBJECT	368	9,538	17,042	26,948	15.9
OTHER OBJECT	0	124	810	934	0.5
TOTAL	979	45,188	123,552	169,719	
PERCENTAGE	0.58	26.63	72.80	100.00	100.0

*THE TYPE OF ACCIDENT IS DETERMINED BY THE FIRST HARMFUL EVENT

PERSONS INVOLVED

TYPE OF ACCIDENT	KILLED	INJURED	TOTAL	%
OVERTURNING	111	3,564	3,675	5.2
OTHER NON-COLLISION	19	470	489	0.7
PEDESTRIAN	89	2,076	2,165	3.1
MOTOR VEHICLE IN TRANSPORT	439	46,594	47,033	66.9
MOTOR VEHICLE ON OTHER ROADWAY	9	194	203	0.3
PARKED MOTOR VEHICLE	11	1,658	1,669	2.4
RAILWAY TRAIN	21	78	99	0.1
PEDALCYCLIST	10	1,085	1,095	1.6
ANIMAL	1	254	255	0.4
FIXED OBJECT	394	13,037	13,431	19.1
OTHER OBJECT	0	163	163	0.2
TOTAL	1,104	69,173	70,277	100.0

*THE TYPE OF ACCIDENT IS DETERMINED BY THE FIRST HARMFUL EVENT

Missouri

TRAFFIC CRASH STATISTICS

STATE-WIDE TRAFFIC DEATHS BY COUNTY - The numbers on this map include both rural and urban traffic deaths for each county and the City of St. Louis. The City of St. Louis is carried separately because it is not located within a county.

The first figure in each county represents the total deaths during 1988. The second figure (the figure with the decimal point) represents the average deaths per year for the last ten years. By removing the decimal point, the number represents the total deaths for a 10-year period. The third figure indicates the increase or decrease of traffic fatalities in each county from the year 1987 to 1988. If there is no change it will be indicated by a -0-.

For example: Atchison, the topmost, western county, shows that 2 person(s) were killed last year. There has been an average of 2.5 persons killed each year for the last 10 years or a total of 25 over the 10-year period.

STATEWIDE TRAFFIC DEATHS BY MONTH

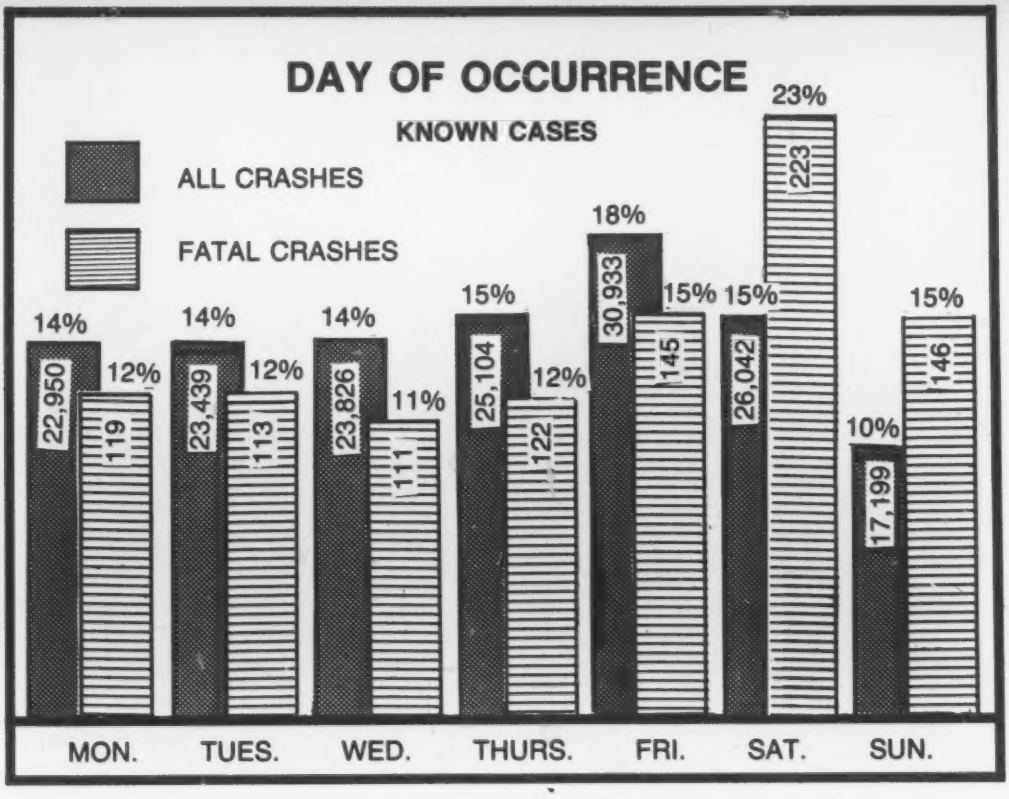
	1987			1988		
	RURAL	URBAN	TOTAL	RURAL	URBAN	TOTAL
January	71	24	95	57	26	83
February	36	24	60	57	25	82
March	52	23	75	50	15	65
April	56	23	79	55	19	74
May	76	26	102	82	23	105
June	71	24	95	80	30	110
July	55	17	72	69	25	94
August	67	32	99	81	17	98
September	64	28	92	64	22	86
October	91	32	123	87	24	111
November	67	20	87	77	17	94
December	58	21	79	81	21	102
TOTAL	764	294	1,058	840	264	1,104

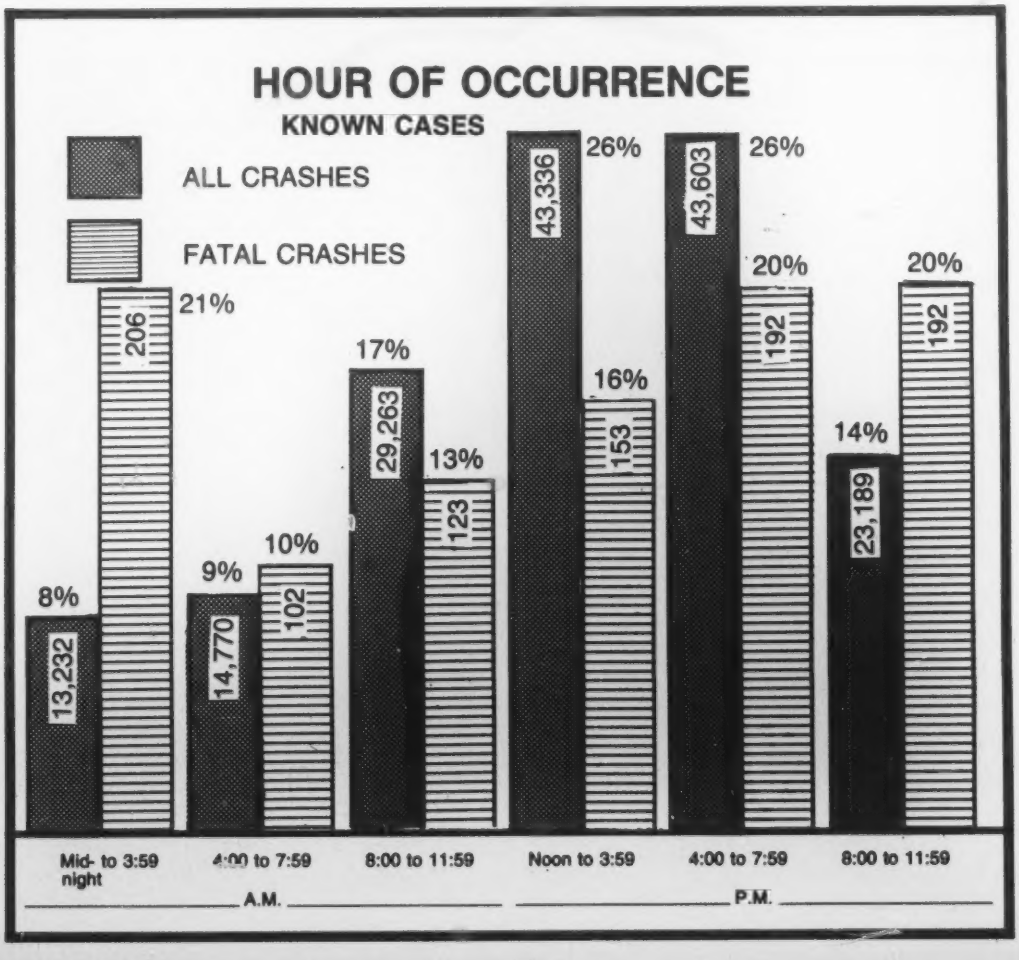
MISSOURI'S TRAFFIC FATALITY DEATH RATE

(per 100 million miles of travel)

YEAR	DEATH RATE	NUMBER KILLED
1957	5.5	996
1958	5.3	978
1959	5.1	990
1960	5.3	1,048
1961	4.6	934
1962	5.0	1,018
1963	5.5	1,168
1964	6.1	1,293
1965	6.3	1,370
1966	6.1	1,379
1967	5.5	1,322
1968	6.0	1,498
1969	5.7	1,528
1970	5.68	1,467
1971	5.13	1,415
1972	5.04	1,482

YEAR	DEATH RATE	NUMBER KILLED
1973	4.71	1,452
1974	3.60	1,046
1975	3.50	1,075
1976	3.70	1,209
1977	3.62	1,211
1978	3.53	1,224
1979	3.36	1,162
1980	3.51	1,191
1981	3.04	1,056
1982	2.59	908
1983	2.52	921
1984	2.58	991
1985	2.41	948
1986	2.74	1,143
1987	2.44	1,058
1988	2.42	1,104


DAY OF OCCURRENCE
KNOWN CASES
ALL CRASHES
FATAL CRASHES
14%
22,950
12%
119
14%
23,439
12%
113
14%
23,826
11%
111
15%
25,104
12%
122
18%
30,933
15%
145
15%
26,042
23%
223
10%
17,199
15%
146
MON.
TUES.
WED.
THURS.
FRI.
SAT.
SUN.


HOUR OF OCCURRENCE
KNOWN CASES
ALL CRASHES
FATAL CRASHES
8%
13,232
21%
206
9%
14,770
10%
102
17%
29,263
13%
123
26%
43,336
16%
153
26%
43,603
20%
192
14%
23,189
20%
192
Mid- to 3:59 night
4:00 to 7:59
8:00 to 11:59
Noon to 3:59
4:00 to 7:59
8:00 to 11:59
A.M.
P.M.

KILLED/INJURED - BY AGE GROUP

AGE OF PERSON	KILLED	PERCENT	INJURED	PERCENT
Under 1	4	.36	241	.35
1	2	.18	251	.36
2	3	.27	316	.46
3	3	.27	365	.53
4	6	.54	419	.61
5	6	.54	443	.64
6 - 10	17	1.54	2,430	3.51
11 - 15	33	2.99	3,178	4.59
16 - 20	185	16.76	14,154	20.46
21 - 25	175	15.85	10,362	14.98
26 - 30	115	10.42	8,367	12.10
31 - 35	104	9.42	6,440	9.31
36 - 40	76	6.88	4,747	6.86
41 - 45	45	4.08	3,525	5.10
46 - 50	41	3.71	2,522	3.65
51 - 55	37	3.35	2,124	3.07
56 - 60	38	3.44	2,012	2.91
61 - 65	45	4.08	1,672	2.42
66 - 70	35	3.17	1,451	2.10
71 - 75	36	3.26	1,089	1.57
76 - and Over	92	8.33	1,566	2.26
Not Stated	6	.54	1,499	2.17

AGE OF DRIVERS OF MOTORIZED VEHICLES INVOLVED IN ACCIDENTS

AGE OF DRIVER	NUMBER INVOLVED	SEVERITY		
		FATAL ACCIDENTS	INJURY ACCIDENTS	PROP. DAMAGE ACCIDENTS
15 and Under	637	10	244	383
16	10,073	40	3,016	7,017
17	11,107	44	3,353	7,710
18	10,763	51	3,310	7,402
19	9,451	47	2,879	6,525
20	8,494	47	2,590	5,857
21 - 25	41,901	233	12,527	29,141
26 - 30	37,128	186	10,849	26,093
31 - 35	29,846	166	8,707	20,973
36 - 40	23,809	118	6,637	17,054
41 - 45	17,629	89	4,952	12,588
46 - 50	12,804	81	3,523	9,200
51 - 55	10,615	53	3,031	7,531
56 - 60	9,540	53	2,663	6,824
61 - 65	8,358	55	2,305	5,998
66 - 70	6,733	42	1,895	4,796
71 - 75	5,150	33	1,414	3,703
76 and Over	6,426	65	1,776	4,585
Not Stated	31,426	32	2,776	28,618
TOTAL DRIVERS	291,890	1,445	78,447	211,998

STATEWIDE TRAFFIC CRASHES

ROAD CONDITIONS	FATAL ACCIDENTS	PERCENT	ALL ACCIDENTS	PERCENT
Dry	815	83.2	131,059	77.2
Wet	129	13.2	27,335	16.1
Snow	8	.8	3,825	2.2
Ice	27	2.8	6,111	3.6
Mud	0	0	86	.1
Not Stated	0	0	1,303	.8
Total	979	100.0	169,719	100.0

WEATHER CONDITIONS	FATAL ACCIDENTS	PERCENT	ALL ACCIDENTS	PERCENT
Clear	669	68.3	101,505	59.8
Cloudy	216	22.1	32,998	19.5
Rain	54	5.5	14,457	8.5
Snow	13	1.3	3,196	1.9
Sleet	5	.5	558	.3
Freezing Rain	5	.5	1,520	.9
Fog or Mist	17	1.8	1,337	.8
Not Stated	0	0	14,148	8.3
Total	979	100.0	169,719	100.0

LIGHT CONDITIONS	FATAL ACCIDENTS	PERCENT	ALL ACCIDENTS	PERCENT
Daylight	486	49.6	118,812	70.0
Dark W/Street Lights On	119	12.2	28,884	17.0
Dark W/Street Lights Off	2	.2	1,358	.8
Dark - No Street Lights	371	37.9	19,205	11.3
Not Stated	1	.1	1,460	.9
Total	979	100.0	169,719	100.0

MISCELLANEOUS INFORMATION		
IN KNOWN CASES	ACCIDENTS	
	FATAL	ALL
Drivers with physical impairment	3.26%	1.02%
Defective vehicles involved	2.53%	3.62%
Occurred on roadway	53.73%	82.08%
Occurred off roadway	46.27%	17.92%
Occurred at intersection	10.01%	21.33%
One vehicle accidents	56.89%	23.80%
Speed a contributing circumstance	39.64%	17.69%
Driver left the scene	.72%	10.85%
Hazardous material involved	.51%	.14%
Hazardous material released/spilled	.31%	.02%

MOTOR VEHICLE TRAFFIC ACCIDENTS

BY CLASS OF TRAFFICWAY - STATEWIDE

CLASSIFICATION OF TRAFFICWAY	ACCIDENT SEVERITY				PERSONAL SEVERITY		
	FATAL	NON-FATAL INJURY	PROP. DAMAGE	TOTAL	KILLED	INJURED	TOTAL
INTERSTATE	129	4,649	11,780	16,558	146	7,057	7,203
U. S. NUMBERED	188	5,528	13,779	19,495	221	9,017	9,238
STATE NUMBERED	238	7,655	17,504	25,397	274	12,308	12,582
STATE LETTERED	184	4,274	7,335	11,793	207	6,648	6,855
ALT/BYPASS	1	76	144	221	1	127	128
BUS. RT., LOOP, SPUR	16	931	2,743	3,690	17	1,484	1,501
OUTER ROAD	6	400	1,173	1,579	8	627	635
COUNTY ROAD	86	3,527	6,310	9,923	93	5,363	5,456
CITY STREET	128	17,979	61,908	80,015	133	26,326	26,459
ALL OTHERS	3	169	876	1,048	4	216	220
TOTALS	979	45,188	123,552	169,719	1,104	69,173	70,277

DRIVERS KILLED ..... 673 **PASSENGERS KILLED 324**
PEDESTRIANS KILLED ..... 97 **PEDALCYCLISTS KILLED 10**

PEDESTRIAN INFORMATION						
	RURAL		URBAN		TOTAL	
PEDESTRIAN ACTION	KILLED	INJURED	KILLED	INJURED	KILLED	INJURED
AT INTERSECTION.....						
WITH SIGNAL	0	8	3	146	3	154
AGAINST SIGNAL	0	7	2	82	2	89
NO SIGNAL	9	52	5	284	14	336
DIAGONALLY	0	8	2	66	2	74
NOT AT INTERSECTION						
BEHIND PARKED CAR	1	47	3	245	4	292
WALKING WITH TRAFFIC	5	24	6	45	11	69
WALKING AGAINST TRAFFIC	2	19	2	78	4	97
GETTING ON/OFF VEHICLE	0	11	1	40	1	51
STANDING IN ROADWAY	9	51	5	123	14	174
PUSHING/WORKING ON VEH. IN ROAD	2	31	3	21	5	52
OTHER WORKING	1	15	0	20	1	35
PLAYING IN ROADWAY	1	18	0	97	1	115
OTHER IN ROADWAY	18	91	8	329	26	420
OFF ROADWAY	1	21	1	56	2	77
CROSSWALK MARKED	1	6	1	22	2	28
NOT STATED	2	29	3	166	5	195
TOTALS	52	438	45	1,820	97	2,258

PEDESTRIANS BY AGE

FATALITIES				
AGE OF FATALITY	MALE	FEMALE	TOTAL	%
5 and Under	3	1	4	4.1
6 - 10	2	1	3	3.1
11 - 15	3	2	5	5.2
16 - 20	4	3	7	7.2
21 - 25	8	1	9	9.3
26 - 30	6	2	8	8.2
31 - 35	7	0	7	7.2
36 - 40	10	0	10	10.3
41 - 45	3	1	4	4.1
46 - 50	3	1	4	4.1
51 - 55	5	1	6	6.2
56 - 60	2	3	5	5.2
61 - 65	1	1	2	2.1
66 - 70	0	3	3	3.1
71 - 75	5	0	5	5.2
76 And Over	9	5	14	14.4
Not Stated	1	0	1	1.0
TOTAL	72	25	97	100.0

INJURIES				
AGE OF CASUALTY	MALE	FEMALE	TOTAL*	%
5 and Under	136	81	217	9.6
6 - 10	283	155	438	19.4
11 - 15	151	113	265	11.7
16 - 20	140	86	226	10.0
21 - 25	109	59	168	7.4
26 - 30	138	51	189	8.4
31 - 35	97	55	152	6.7
36 - 40	85	37	122	5.4
41 - 45	66	27	93	4.1
46 - 50	41	20	61	2.7
51 - 55	35	11	46	2.1
56 - 60	39	23	62	2.8
61 - 65	21	22	43	1.9
66 - 70	20	12	32	1.4
71 - 75	5	10	15	.7
76 and Over	30	31	61	2.7
Not Stated	45	19	68	3.0
TOTAL	1,441	812	2,258	100.0

*Pedestrians who's sex is unknown are included in total.

PROBABLE CONTRIBUTING CIRCUMSTANCES

THIS INCLUDES ALL DRIVERS/VEHICLES AND PEDESTRIANS.

PROBABLE CONTRIBUTING CIRCUMSTANCE	ACCIDENT SEVERITY				PERSONAL SEVERITY		
	FATAL	INJURY	PROP DAMAGE	TOTAL	KILLED	INJURED	TOTAL
SPEED/ALL	377	10,032	17,100	27,509	429	15,904	16,333
SPEED - EXCEEDED LIMIT	177	2,414	3,134	5,725	196	4,083	4,279
TOO FAST FOR CONDITIONS	227	8,051	14,536	22,814	261	12,543	12,804
IMPROPER PASSING	29	844	3,231	4,104	39	1,381	1,420
VIOLATION SIGNAL OR SIGN	43	3,121	4,788	7,952	48	5,351	5,399
WRONG SIDE - NOT PASSING	206	2,579	3,431	6,216	264	4,763	5,027
FOLLOWING TOO CLOSE	10	3,790	10,098	13,898	13	5,948	5,961
IMPROPER SIGNAL	1	143	533	677	1	215	216
IMPROPER BACKING	2	234	4,461	4,697	2	312	314
IMPROPER TURN	16	1,339	5,613	6,968	16	2,175	2,191
WRONG WAY - ONE WAY STREET	16	144	342	502	20	257	277
IMPROPER START - PARKING	0	128	716	844	0	189	189
IMPROPERLY PARKED	4	249	1,132	1,385	6	392	398
VEHICLE DEFECTS	25	1,504	4,138	5,667	30	2,375	2,405
FAILED TO YIELD	110	9,473	22,743	32,326	120	15,542	15,662
DRINKING	240	4,845	5,126	10,211	263	7,670	7,933
DRUGS	10	216	254	480	12	366	378
PHYSICAL IMPAIRMENT	32	717	866	1,615	32	993	1,025
INATTENTION	387	20,943	53,712	75,042	439	31,739	32,178

DRINKING DRIVERS OF MOTORIZED VEHICLES INVOLVED IN ACCIDENTS

AGE OF DRIVER	HOUR OF OCCURRENCE						
	MID-NIGHT TO 3:59 a.m.	4 a.m. TO 7:59 a.m.	8 a.m. TO 11:59 a.m.	NOON TO 3:59 p.m.	4 p.m. TO 7:59 p.m.	8:00 p.m. TO 11:59 p.m.	UN-KNOWN TIME
15 & YOUNGER	9	2	0	2	0	4	0
16	52	11	1	12	16	55	1
17	108	23	3	17	22	133	2
18	152	33	4	14	36	117	6
19	181	20	6	28	44	130	3
20	180	25	5	20	48	96	2
21 - 25	940	143	36	108	317	618	9
26 - 30	632	96	26	132	372	619	18
31 - 35	369	51	31	78	289	464	7
36 - 40	223	30	16	89	193	323	10
41 - 45	125	15	13	57	153	192	4
46 - 50	59	5	12	31	114	151	2
51 - 55	54	6	11	43	84	90	4
56 - 60	23	3	9	28	83	61	0
61 - 65	21	1	14	28	51	48	0
66 - 70	7	0	4	16	53	25	2
71 - 75	5	3	5	10	23	16	0
76 and Over	6	0	5	9	13	6	0
Not Stated	168	32	16	48	96	167	30
Total	3,314	499	217	770	2,007	3,315	100

NOTE: On July 1, 1984, a new Missouri Uniform Traffic Accident Report Form was implemented Statewide. On the previous form a section was provided to list drinking information concerning drivers and pedestrians involved in an accident. This section was deleted on the new form. Drinking driver information is now captured in the probable contributing circumstances section only. This information will now be indicated on the form only if the investigating officer determines it to be a probable contributing circumstance. Because of these reporting differences, drinking driver statistics shown will not be consistent with those of past years. It may appear that a drastic reduction in drinking driver involvement has occurred when, in fact, there were no significant changes in this area.

DRINKING AND ACCIDENTS (Includes drivers of all vehicles and pedestrians) - Whether or not a person has been drinking cannot always be determined at the scene of an accident. It is generally impossible to determine the persons who have had one or a few drinks; yet, these individuals may be as much of a hazard as the obvious drunk. Because of the time lapse from the moment of occurrence until an officer arrives at the scene to make the investigation, a person's condition concerning drinking can change a great deal. In cases where the individual may have been removed to a hospital, doctor's office or funeral home, his condition may never be determined.

ALL TRAFFIC CRASHES:

Drinking Involved 10,211
No Drinking Involved 144,109
Information Not Known 15,399

Persons Killed In Alcohol Related Accidents 263
Persons Injured In Alcohol Related Accidents 7,670

IN KNOWN CASES:

6.6 out of every 100 traffic crashes in the State involved drinking.

In rural accidents, 9.4 out of every 100 traffic accidents involved drinking.

FATAL TRAFFIC CRASHES:

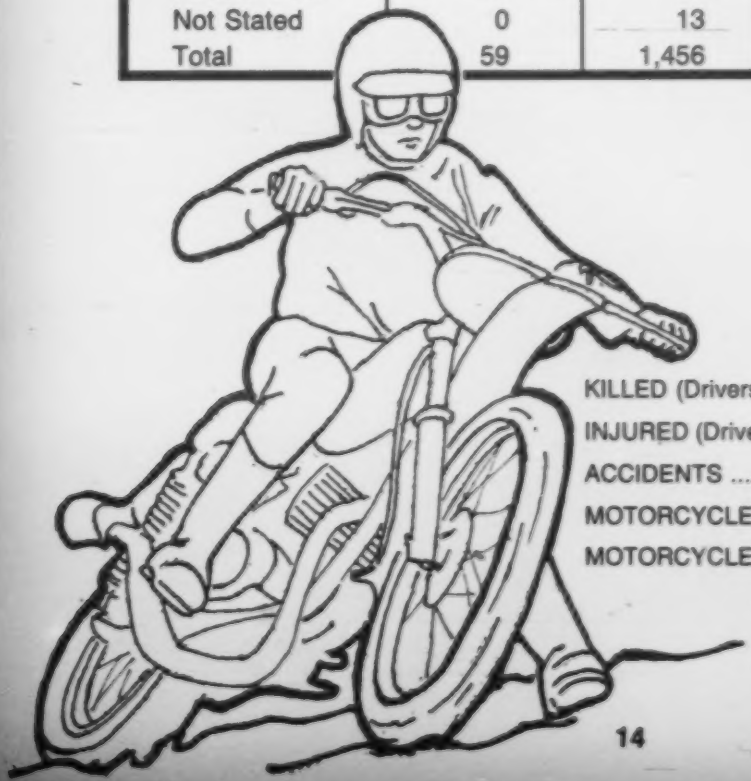
Drinking Involved 240
No Drinking Involved 694
Information Not Known 45

IN KNOWN CASES:

25.7 out of every 100 fatal accidents involved drinking.

MOTORCYCLE STATISTICS

MOTORCYCLE OPERATORS			
AGE OF OPERATOR	KNOWN SEVERITY		NUMBER INVOLVED
	FATALITIES	INJURIES	
15 and Younger	1	44	69
16	0	39	50
17	1	66	85
18	4	72	101
19	4	92	131
20	2	76	104
21 - 25	13	372	482
26 - 30	15	250	326
31 - 35	6	173	220
36 - 40	5	113	152
41 - 45	6	63	80
46 - 50	1	27	41
51 - 55	0	28	37
56 - 60	0	12	16
61 - 65	0	8	13
66 - 70	1	4	5
71 - 75	0	2	3
76 and Over	0	2	2
Not Stated	0	13	100
Total	59	1,456	2,017



STATE TOTALS

KILLED (Drivers & Passengers) **65**

INJURED (Drivers & Passengers) **1,684**

ACCIDENTS **2,047**

MOTORCYCLES REGISTERED **65,830**

MOTORCYCLE LICENSED OPERATORS **252,684**

THIS INCLUDES 3 WHEEL AND 4 WHEEL BUT NOT MOPEDS OR ALL-TERRAIN VEHICLES (ATVs).

SAFETY DEVICE USAGE

SAFETY DEVICES	DRIVERS				PASSENGERS			
	KILLED	PERCENT	INJURED	PERCENT	KILLED	PERCENT	INJURED	PERCENT
NO SEAT BELTS	17	2.5	1,746	3.9	23	7.1	1,235	5.5
SEAT BELTS NOT USED	391	57.2	12,602	28.5	201	62.0	8,844	39.1
SEAT BELTS USED	96	14.1	23,735	53.6	52	16.1	9,486	41.9
CHILD RESTRAINT USED	0	0.0	0	0.0	0	0.0	351	1.5
SEAT BELT USE UNK.	120	17.6	4,919	11.1	40	12.4	2,499	11.0
SEAT BELT FAILURE	3	.4	23	.1	0	0.0	16	.1
HELMET USED	43	6.3	1,032	2.3	4	1.2	153	.7
HELMET NOT USED	13	1.9	241	.5	4	1.2	33	.2
TOTAL	683	100.0	44,298	100.0	324	100.0	22,617	100.0

VEHICLE BODY TYPE ANALYSIS

VEHICLE BODY TYPE	VEHICLE TYPES INVOLVED			PERSONS IN EACH VEHICLE TYPE	
	ACCIDENT SEVERITY			DRIVERS/PASS.	
	FATAL	INJURY	PROP. DAMAGE	KILLED	INJURED
PASSENGER CAR - HARDTOP	651	36,913	103,550	602	46,644
PASSENGER CAR - CONVERTIBLE	21	573	1,320	24	582
STATION WAGON	58	3,358	8,592	36	2,995
VAN	47	2,818	9,107	28	2,201
BUS	1	307	1,123	0	392
SCHOOL BUS	4	226	923	1	367
MOTORCYCLE	67	1,503	477	65	1,684
ALL-TERRAIN VEHICLE	4	34	12	4	47
MOPED	0	31	8	0	31
BICYCLE	10	1,055	187	10	1,065
MOTORHOME/CAMPER	2	65	218	1	53
FARM IMPLEMENTS	7	57	147	7	35
CONSTRUCTION EQUIPMENT	0	32	169	0	6
OTHER TRANSPORT DEVICES	17	127	265	1	51
SINGLE UNIT TRUCKS	318	12,179	36,300	207	9,885
TWO UNIT TRUCKS	85	1,616	6,152	20	700
MULTI-UNIT TRUCKS	4	86	242	1	34
UNKNOWN	8	374	5,581	0	143

URBAN TRAFFIC FATALITIES

CITY	1985	1986	1987	1988	CITY	1985	1986	1987	1988
Arnold	3	2	8	4	Lee's Summit	1	3	5	2
Aurora	1	2	0	0	Lexington	2	0	0	0
Bellefont. Nbrs.	2	1	3	1	Liberty	5	2	1	2
Belton	2	0	3	2	Macon	1	0	3	0
Berkeley	5	8	3	1	Malden	1	0	0	1
Blue Springs	5	0	4	1	Manchester	1	1	1	1
Black Jack	1	0	0	0	Marshall	1	1	0	1
Bolivar	0	0	0	1	Maryland Hgts.	1	3	4	5
Boonville	0	0	2	0	Maryville	1	1	1	0
Brentwood	0	1	0	0	Mexico	1	0	1	0
Bridgeton	2	7	5	5	Moberly	3	2	0	4
Cape Girardeau	2	1	2	2	Monett	0	1	2	2
Carthage	2	1	0	0	Neosho	0	1	1	2
Caruthersville	0	0	0	1	Nevada	0	3	1	1
Charleston	0	0	1	1	Normandy	0	0	0	1
Chesterfield	0	0	0	1	O'Fallon	1	3	5	5
Clayton	0	1	0	0	Olivette	0	0	0	2
Clinton	0	1	0	0	Overland	0	0	1	0
Columbia	9	6	6	4	Perryville	0	1	0	1
Crestwood	0	0	0	1	Pine Lawn	0	1	0	1
Creve Coeur	0	0	1	1	Poplar Bluff	3	0	2	0
Dellwood	3	3	1	0	Raytown	3	2	2	0
Dexter	1	2	1	0	Richmond	1	0	1	2
Ellisville	1	5	0	0	Richmond Hgts.	1	0	2	0
Excelsior Springs	1	1	0	1	Rock Hill	1	1	2	0
Farmington	1	1	1	1	Rolla	3	2	4	1
Ferguson	1	1	2	1	Saint Ann	1	2	1	1
Festus	0	1	3	1	Saint Charles	10	10	7	2
Florissant	1	1	0	0	Saint John	0	0	2	0
Fulton	0	0	1	0	Saint Joseph	6	4	4	7
Gladstone	0	0	0	2	Saint Louis	55	54	39	42
Glendale	0	1	0	0	Saint Peters	1	2	3	1
Grandview	2	3	2	3	Sedalia	1	1	2	0
Hannibal	1	2	1	0	Shrewsbury	0	0	1	1
Harrisonville	0	2	0	0	Sikeston	0	1	1	5
Hazelwood	3	2	5	1	Springfield	11	16	14	19
Independence	12	12	14	10	Sullivan	0	1	1	0
Jackson	1	0	1	0	Town & Country	1	2	4	1
Jefferson City	1	3	6	7	Trenton	0	1	2	0
Jennings	2	0	0	1	University City	1	1	3	4
Joplin	5	7	6	5	Warrensburg	0	1	0	1
Kansas City	88	92	81	81	Washington	0	0	1	0
Kennett	2	0	2	1	Webster Groves	1	2	1	1
Kirksville	1	1	1	1	Webb City	1	0	0	0
Kirkwood	1	0	1	1	West Plains	0	1	2	0
Ladue	1	0	0	2					
Lebanon	0	5	0	0	TOTALS	283	303	294	264

*Accidents occurring within cities of 5,000 or more population are classified as urban.

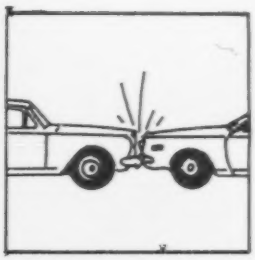
URBAN AND RURAL COMPARISON

URBAN ACCIDENTS IN MISSOURI					
TYPE OF ACCIDENT	FATAL	INJURY	PROP DAMAGE	TOTAL	%
OVERTURNING	13	525	379	917	.8
OTHER NON-COLLISION	7	214	450	671	.6
PEDESTRIAN	42	1,633	62	1,737	1.5
MOTOR VEHICLE IN TRANSPORT	91	19,431	63,504	83,026	72.3
MOTOR VEHICLE ON OTHER ROADWAY	2	51	150	203	.2
PARKED MOTOR VEHICLE	4	1,018	12,107	13,129	11.4
RAILWAY TRAIN	5	22	43	70	.1
PEDALCYCLIST	4	835	163	1,002	.9
ANIMAL	0	36	666	702	.6
FIXED OBJECT	82	3,628	9,205	12,915	11.2
OTHER OBJECT	0	51	459	510	.4
TOTAL	250	27,444	87,188	114,882	100.0
PERCENTAGE	.2	23.9	75.9	100.0	

RURAL ACCIDENTS IN MISSOURI					
TYPE OF ACCIDENT	FATAL	INJURY	PROP DAMAGE	TOTAL	%
OVERTURNING	88	1,990	1,518	3,596	6.6
OTHER NON-COLLISION	12	173	710	895	1.6
PEDESTRIAN	47	341	7	395	.7
MOTOR VEHICLE IN TRANSPORT	269	8,511	19,850	28,630	52.2
MOTOR VEHICLE ON OTHER ROADWAY	4	46	78	128	.2
PARKED MOTOR VEHICLE	5	270	2,552	2,827	5.2
RAILWAY TRAIN	11	32	36	79	.1
PEDALCYCLIST	6	217	24	247	.5
ANIMAL	1	181	3,401	3,583	6.5
FIXED OBJECT	286	5,910	7,837	14,033	25.6
OTHER OBJECT	0	73	351	424	.8
TOTAL	729	17,744	36,364	54,837	100.0
PERCENTAGE	1.3	32.4	66.3	100.0	

MISSOURI ACCIDENTS

TOTAL ACCIDENTS 169,719
TOTAL FATAL ACCIDENTS 979
TOTAL PERSONS KILLED 1,104
* THE TYPE OF ACCIDENT IS DETERMINED BY THE FIRST HARMFUL EVENT



COLLISION WITH: MOTOR VEHICLE IN TRANSPORT

111,656 accidents 65.8%
439 fatalities

COLLISION WITH: FIXED OBJECT

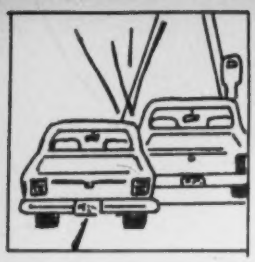
26,948 accidents 15.9%
394 fatalities

NON-COLLISION OVERTURNING

4,513 accidents 2.7%
111 fatalities

COLLISION WITH: ANIMAL

4,285 accidents 2.5%
1 fatality

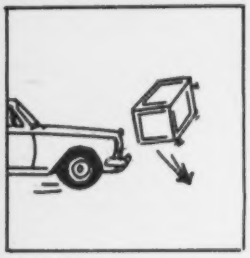


COLLISION WITH: MOTOR VEHICLE PARKED

15,956 accidents 9.4%
11 fatalities

OTHER NON-COLLISION

1,566 accidents 0.9%
19 fatalities



COLLISION WITH: OTHER OBJECT

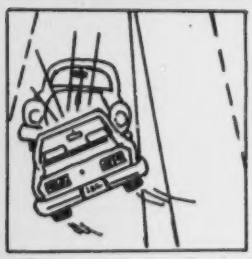
934 accidents 0.5%
0 fatalities

COLLISION WITH: PEDESTRIAN

2,132 accidents 1.3%
89 fatalities

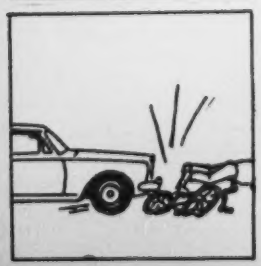
COLLISION WITH: RAILROAD TRAIN

149 accidents 0.1%
21 fatalities



COLLISION WITH: MOTOR VEHICLE ON OTHER ROADWAY

331 accidents 0.2%
9 fatalities



COLLISION WITH: BICYCLE (PEDAL VEHICLES)

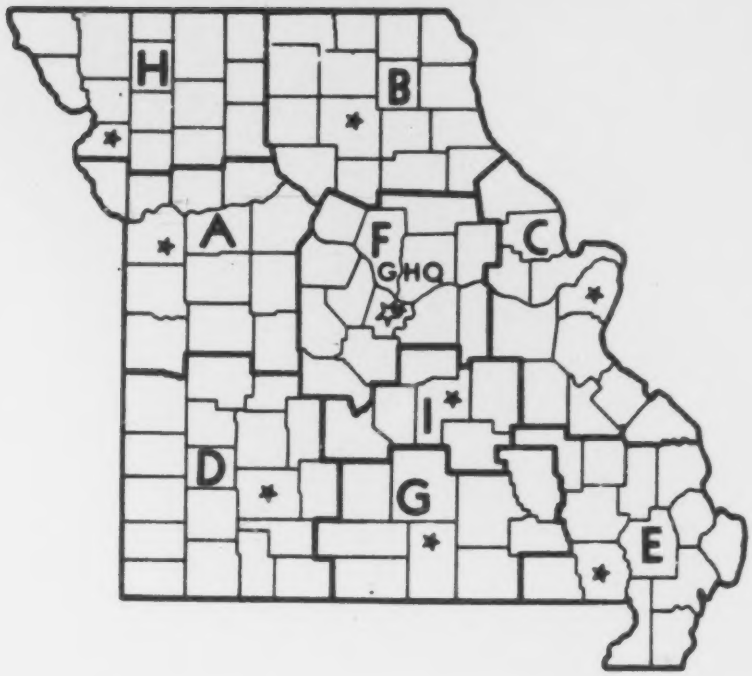
1,249 accidents 0.7%
10 fatalities

MISSOURI
HOLIDAY FATALITIES

HOLIDAY	YEAR	KILLED	PERIOD
Memorial Day	1987	13	From 6:00 p.m., Friday, May 22 to midnight, Monday, May 25.
Memorial Day	1988	15	From 6:00 p.m., Friday, May 27, to midnight, Monday, May 30.
4th of July	1987	8	From 6:00 p.m., Thursday, July 2, to midnight, Sunday, July 5.
4th of July	1988	15	From 6:00 p.m., Friday, July 1, to midnight, Monday, July 4.
Labor Day	1987	7	From 6:00 p.m., Friday, September 4, to midnight, Monday, September 7.
Labor Day	1988	14	From 6:00 p.m., Friday, September 2, to midnight, Monday, September 5.
Thanksgiving	1987	12	From 6:00 p.m., Wednesday, November 25, to midnight, Sunday, November 29.
Thanksgiving	1988	15	From 6:00 p.m., Wednesday, November 23, to midnight, Sunday, November 27.
Christmas	1987	7	From 6:00 p.m., Wednesday, December 23, to midnight, Sunday, December 27.
Christmas	1988	16	From 6:00 p.m., Friday, December 23, to midnight, Monday, December 26.
New Year	1987	9	From 6:00 p.m., Wednesday, December 30, to midnight, Sunday, January 3, 1988.
New Year	1988	11	From 6:00 p.m., Friday, December 30, to midnight, Monday, January 2, 1989.

MISSOURI HIGHWAY PATROL

TROOP AREA MAP



TROOP	HEADQUARTERS	AREA CODE	TELEPHONE NO.
GHQ	Jefferson City	(314)	751-3313
A	Lee's Summit	(816)	524-1407
B	Macon	(816)	385-2132
C	Kirkwood	(314)	434-5500
*C	Flat River	(314)	431-0166
D	Springfield	(417)	837-6868
*D	Carthage	(417)	358-4686
E	Poplar Bluff	(314)	785-5757
*E	Sikeston	(314)	471-4500
F	Jefferson City	(314)	636-5171
G	Willow Springs	(417)	469-3121
H	St. Joseph	(816)	387-2345
I	Rolla	(314)	364-1215

*Satellites